

- Tissues
- Go over homework
- Quiz on Wednesday

Sep 7-9:22 AM

25.

$$w^2 - \frac{9}{4}$$
$$\left(w - \frac{3}{2}\right)\left(w + \frac{3}{2}\right)$$

Sep 7-9:20 AM

19.  $3z^2 + 4z - 4$   $\begin{matrix} 12 \\ 62 \end{matrix}$

$$3z^2 + 6z - 2z - 4$$

$$3z(z+2) - 2(z+2)$$

$$(z+2)(3z-2)$$

Sep 7-9:21 AM

## Radical Review

$$\sqrt{36}$$

$$2 \cdot 3 = 6$$



Sep 7-9:21 AM

$$\text{ex } \sqrt{50}$$



Couples go out  
Singles stay in

$$5\sqrt{2}$$

Sep 11-7:44 AM

$$\text{ex } \sqrt{56}$$



$$2\sqrt{14}$$

Sep 11-7:46 AM

$$\begin{array}{l} \cancel{2x} \sqrt{45} \\ \textcircled{3\sqrt{5}} \end{array} \quad \begin{array}{c} 45 \\ \wedge \\ *9 \quad 5 \\ \wedge \\ 3 \quad 3 \end{array}$$

Sep 11-7:48 AM

Do

$$\begin{array}{ll} \textcircled{1} \sqrt{75} & 5\sqrt{3} \\ \textcircled{2} \sqrt{243} & \begin{array}{c} 243 \\ \wedge \\ 9 \quad 27 \\ \wedge \\ \textcircled{3} \quad 9 \quad 3 \\ \wedge \\ \textcircled{3} \quad 3 \end{array} & 9\sqrt{3} \\ \textcircled{3} \sqrt{400} & \begin{array}{c} 400 \\ \wedge \\ 4 \quad 100 \\ \wedge \\ \textcircled{2} \quad 10 \quad 10 \\ \wedge \\ \textcircled{2} \quad 5 \quad 2 \quad 5 \end{array} & \textcircled{20} \end{array}$$

Sep 11-7:49 AM

# Variables

ex  $\sqrt{75a^2b^3c^6}$

$5abc^3\sqrt{3b}$

$a^2$   
 $\swarrow \searrow$   
 $a \ a$

$b^3$   
 $\swarrow \searrow \searrow$   
 $b \ b \ b$

Sep 11-7:57 AM

# Multiplication

ex  $3\sqrt{6} \cdot 4\sqrt{5}$

outside x outside  
 inside x inside

$12\sqrt{30}$

$30$   
 $\swarrow \searrow$   
 $6 \ 5$   
 $\swarrow \searrow$   
 $2 \ 3$

Sep 11-8:00 AM

ex

$$\sqrt{32} \cdot \sqrt{8}$$

32  
^

$$4\sqrt{2} \cdot 2\sqrt{2}$$

$$8\sqrt{4}$$

$$8 \cdot 2$$

$$(16)$$

Sep 11-8:02 AM

## Division

ex

$$\frac{3}{\sqrt{2}} \cdot \frac{\sqrt{2}}{\sqrt{2}} = \frac{3\sqrt{2}}{2}$$

Rationalize

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ex/

$$\sqrt{\frac{7}{5}} = \frac{\sqrt{7}}{\sqrt{5}} \cdot \frac{\sqrt{5}}{\sqrt{5}} = \frac{\sqrt{35}}{5}$$

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ex/

$$\frac{\sqrt{18}}{\sqrt{12}} = \sqrt{\frac{18}{12}}$$
$$\sqrt{\frac{3}{2}} = \frac{\sqrt{3}}{\sqrt{2}} \cdot \frac{\sqrt{2}}{\sqrt{2}} = \frac{\sqrt{6}}{2}$$

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$$\frac{\sqrt{3}}{3\sqrt{2}} \cdot \frac{\sqrt{2}}{\sqrt{2}} = \frac{\sqrt{6}}{6}$$

3 . 2

Sep 11-8:09 AM

Add / Subtr.

ex LIKE TERMS

$$7\sqrt{2} + 5\sqrt{2} + 3\sqrt{3}$$

$$12\sqrt{2} + 3\sqrt{3}$$

Sep 11-8:10 AM



ex

$$7\sqrt{6} - 5\sqrt{24}$$

$\downarrow$   
 $5 \cdot 2\sqrt{6}$

$$7\sqrt{6} - 10\sqrt{6}$$
$$\textcircled{-3\sqrt{6}}$$

$$\begin{array}{c} 24 \\ \wedge \\ 4 \quad 6 \\ \wedge \quad \wedge \\ \textcircled{22} \quad \boxed{23} \end{array}$$

Sep 11-8:11 AM

Assignment  
p745 1-18  
not 15 and 16

Sep 11-7:24 AM